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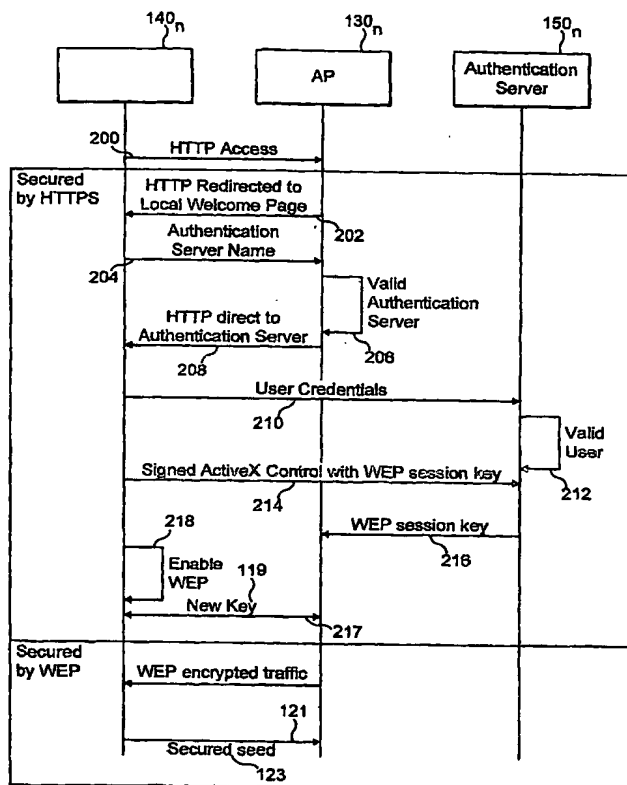
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(54) Title: WLAN SESSION MANAGEMENT TECHNIQUES WITH SECURE REKEYING AND LOGOFF



(57) Abstract: The invention provides a method for improving the security of a mobile terminal in a WLAN environment by installing two shared secrets instead of one shared secret, the initial session key, on both the wireless user machine and the WLAN access point during the user authentication phase. One of the shared secrets is used as the initial session key and the other is used as a secure seed. Since the initial authentication is secure, these two keys are not known to a would be hacker. Although the initial session key may eventually be cracked by the would be hacker, the secure seed remains secure as it is not used in any insecure communication.



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